

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

2611
2682
GAC
Docket No.
5038.25

In Re Application Of:

FREEMAN et al.

Serial No.
09/699,163

Filing Date
October 27, 2000

MAIL DATE CANCELLED

Examiner
Not Yet Assigned

Group Art Unit
TC 2611

Title:

DIGITAL INTERACTIVE SYSTEM FOR PROVIDIJG FULL INTERACTIVITY
WITH LIVE PROGRAMMING EVENTS

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

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TC 2600 MAILROOM

37 CFR 1.97(b)

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

37 CFR 1.97(c)

- The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:
 1. a Final Action under 37 CFR 1.113, or
 2. a Notice of Allowance under 37 CFR 1.311,
 whichever occurs first.

Also submitted herewith is:

a certification as specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

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(Under 37 CFR 1.97(b) or 1.97(e))

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In Re Application Of:

FREEMAN et al.

FEB 15 2001

O I P E

FEB 15 2001

P A T E N T

T R A D E M A R K

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T R A D E M A R K

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

A check in the amount of _____ is attached.

The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 04-1415 as described below. A duplicate copy of this sheet is enclosed.

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Signature

John T. Kennedy, Esq.
Registration No. 42,717
DORSEY & WHITNEY LLP
Customer No. 20686

Dated: 2/15/01

cc: Scott W. Doyle, Esq., ACTV, Inc.



Express Mailing Label No.: EL 759368797 US
Attorney Docket No. 5038.25

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Inventor: FREEMAN et al.

Serial No.: 09/699,163

Filed: October 27, 2000

For: DIGITAL INTERACTIVE SYSTEM FOR PROVIDING FULL
INTERACTIVITY WITH LIVE PROGRAMMING EVENTS

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Express Mailing label number: EL 759368797 US

Date of Deposit: February 15, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Name: Jane Lalis/Dorsey & Whitney LLP

Signature: Jane Lalis

INFORMATION DISCLOSURE STATEMENT
(37 C.F.R. 1.97 (b) and 1.98(d))

Sir:

The Examiner is requested to consider the references noted on the enclosed Form PTO-1449 during examination of the above-identified patent application. These references are submitted for the Examiner's consideration and are submitted pursuant to the Applicants' duty of disclosure under 37 C.F.R. § 1.56.

Copies of all of the cited documents have been previously furnished to the Office in prior application Serial No. 08/815,168, filed March 11, 1997. Therefore, no copies of the cited documents are included herewith.

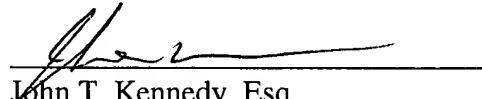
Serial No.: 09/699,163

Page 2

Pursuant to 37 C.F.R. § 1.97, no fees are due with respect to this filing. However, should any fees be deemed necessary, such fees may be charged to Deposit Account No. 04-1415. A duplicate copy of this disclosure statement is enclosed for use as may be appropriate.

Dated: 2/15/01

Respectfully submitted,

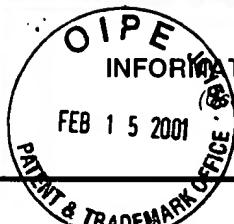

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FILING October 27, 2000	GROUP 2611

PATENT & TRADEMARK OFFICE
MAIL DATE CANCELLED
FEB 16 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	3947972	4/6/76	FREEMAN		TC 2600 MAIL ROOM	RECEIVED FEB 21 2001
AB	4034990	7/12/77	BAER			
AC	4264924	4/28/81	FREEMAN			
AD	4264925	4/28/81	FREEMAN et al.			
AE	4290142	9/15/81	SCHNEE et al.			
AF	4361730	10/30/82	BARBER et al.			
AG	4530008	7/15/85	MCVOY			
AH	4536791	8/20/85	CAMPBELL et al.			
AI	4507680	3/26/85	FREEMAN			
AJ	4573072	2/25/86	FREEMAN			
AK	4602279	7/22/86	FREEMAN			

FOREIGN PATENT DOCUMENTS

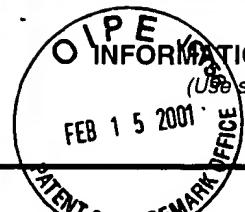
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AL	4207885	7/29/92	Japan				
AM	6165170	6/10/94	Japan				
AN	994233	6/2/65	Germany				
AO	128481	12/19/84	Europe				
AP	16314	10/01/80	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	Harless et al., Interactive Video Disc Case Studies for Medical Education, Proceedings, 10th Annual Symposium on Computer Applications in Medical Care, October 25-26, pp. 183-187.
AR	Bock, Videodisk Standards: A Software View of the Technology, 8012 SMPTE Journal, vol. 92, no. 5, May 1983, pp. 571-576.

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

MAIL DATE 2001 CANCELLED

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U.S. PATENT DOCUMENTS

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FREEMAN et al.	
FILING October 27, 2000	GROUP 2611

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA	4644515	2/17/87	ALLEBEST et al.			
BB	4694490	9/15/87	HARVEY et al.			
BC	4701896	10/20/87	ALLEBEST et al.			
BD	4704725	11/3/87	HARVEY et al.			
BE	4750036	6/7/88	MARTINEZ			
BF	4763317	8/9/88	LEHMAN et al.			
BG	4786967	11/22/88	SMITH, III et al.			
BH	4807031	2/21/89	BROUGHTON et al.			
BI	4839743	6/13/89	BEST et al.			
BJ	4846693	7/11/89	BAER			
BK	4847700	7/11/89	FREEMAN			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BL	8102961	10/15/81	PCT				
BM	9403851	2/17/94	PCT				
BN	‘314572	5/3/89	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

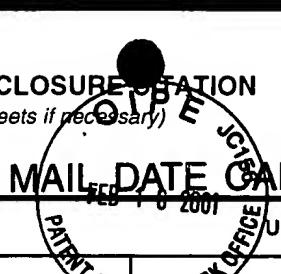
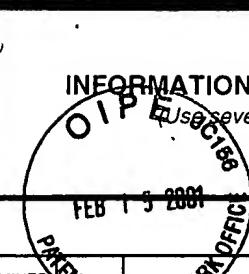
BO	Campbell, Optimal Decision Making in a Business Simulation, System Sciences, 1989 Annual Hawaii International Conference, vol. III, pp. 822-831.
BP	Dawson, Compression on the Fast Track, Cablevision, April 22, 1991, pp. 22-30.

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				FREEMAN et al.	GROUP 2611		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
CA	4855827	8/8/89	BEST			TC 2600 MAIL ROOM	
CB	4862268	8/29/89	CAMPBELL et al.			FEB 21 2001	
CC	4875096	10/17/89	BAER et al.			RECEIVED	
CD	4924303	5/8/90	BRANDON et al.				
CE	496582	10/23/90	HARVEY et al.				
CF	4975771	12/4/90	KASSATLY				
CG	4987486	1/22/91	JOHNSON et al.				
CH	5001554	3/19/91	JOHNSON et al.				
CI	5010500	4/23/91	MAKKUNI et al.				
CJ	5014125	5/7/91	POCOCK et al.				
CK	5034807	7/23/91	VON KOHORN				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	CL	Martial et al., An Interactive Planner for Open Systems, Proceedings of the 4th Conference on Artificial Intelligence, March 1988, pp. 293-298.					
	CM	Gault, Turning Cold Box Into Interactive TV, Crain's New York Business, July 15, 1991, p. 17.					
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GROUP

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	TRADEMARK OFFICE	DOCUMENT NUMBER	TRADEMARK OFFICE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA	5,051,822		9/24/91 RHOADES			
	DB	5,093,718		3/3/92 HOARTY et al.			
	DC	5,109,414		4/28/92 HARVEY et al.			
	DD	5,157,491		10/20/92 KASSATLY			
	DE	5,177,604		1/5/93 MARTINEZ			
	DF	5,181,107		1/19/93 RHOADES			
	DG	5,220,420		6/15/93 HOARTY et al.			
	DH	5,227,874		7/13/93 VON KOHORN			
	DI	5,236,199		8/17/93 THOMPSON, Jr.			
	DJ	5,247,347		9/21/93 LITTERAL et al.			
	DK	4,516,156		5/7/85 FABRIS et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	DL	Tsuruta et al., A Knowledge Based Interactive Train Scheduling System Aiming at Large Scale Complex Planning Expert Systems, International Workshop on Artificial Intelligence for Industrial Applications, 1988, pp. 490-495.
	DM	Gilder, Now or Never, Forbes, October 14, 1991, pp. 188-198.

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DATE CONSIDERED

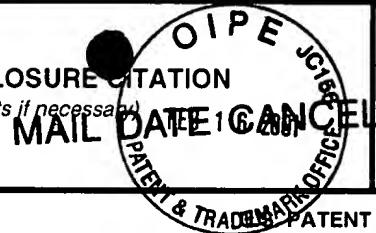
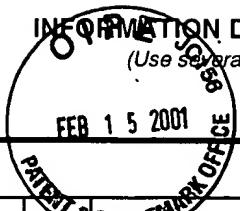
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INFORMATION DISCLOSURE CITATION <small>(Use several sheets if necessary)</small>				ATTY DOCKET NO. 5038.25	SERIAL NO. 09/699,163		
				FREEMAN et al.			
				FILING October 27, 2000	GROUP 2611		
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<small>PATENT & TRADEMARK OFFICE</small> <small>FEB 15 2001</small>		<small>PATENT & TRADEMARK OFFICE</small> <small>FEB 16 2001</small>					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
EA	4,305,131	12/8/81	BEST				
EB	4,768,087	8/30/88	TAUB et al.			TC 2600 MAILROOM FEB 21 2001	
EC	5,176,520	1/5/93	HAMILTON			RECEIVED	
ED	5,318,450	6/7/94	CARVER				
EE	5,174,759	12/2/92	PRESTON et al.				
EF	4,926,255	5/15/90	VON KOHORN				
EG	3,008,000	11/7/61	MORCHAND				
EH	3,936,595	2/3/76	YANAGIMACHI et al.				
EI	3,988,528	10/26/76	YANAGIMACHI et al.				
EJ	4,333,152	6/1/82	BEST				
EK	4,422,105	12/20/83	RODESCH et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
	EL	Kim, First All-Digital HDTV Developed by Video Cipher, Multichannel News, June 11, 1990, p. 35.					
	EM	Kim, ATC: Technical Tidal Wave to Engulf Cable Industry, Multichannel News, August 13, 1990, pp. 33-34.					
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					TC	2600 MAILROOM		
FA	O I P E FEB 15 2001 SC18	4,635,132	1/6/87	NAKAMURA				
FB	SC18	4,847,690	7/11/89	PERKINS				
FC	SC18	2,612,553	9/30/52	HOMRIGHOUS				
FD	SC18	2,777,901	1/15/57	DOSTERT				
FE	SC18	2,826,828	3/18/58	HAMILTON				
FF	SC18	2,908,767	10/13/59	FRITZINGER				
FG	SC18	2,921,385	1/19/60	HAMILTON				
FH	SC18	3,020,360	2/6/62	GRATIAN et al.				
FI	SC18	3,194,895	7/13/65	TREADWELL				
FJ	SC18	3,221,098	11/30/65	FELDMAN et al.				
FK	SC18	3,245,157	4/12/66	LAVIANA				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
		FL	Kim, Jerrold Offers Cable Digital Compression, Multichannel News, March 11, 1991, p. 6.					
		FM	Kim, Test Equipment for Digital Still a Puzzle, Multichannel News, May 27, 1991, p. 24.					
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U. S. PATENT DOCUMENTS								
EXAMINER INITIAL	TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	GA	3,255,536	6/14/66	LIVINGSTON		TC		
	GB	3,273,260	9/20/66	WALKER		2600 MAIL ROOM	RECEIVED FEB 21 2001	
	GC	3,284,923	11/15/66	LESLIE				
	GD	3,343,280	9/26/67	TOLNAI				
	GE	3,366,731	1/30/68	WALLERSTEIN				
	GF	3,387,084	6/4/68	HINE et al.				
	GG	3,440,342	4/22/69	BELTRAMI				
	GH	3,477,144	11/11/69	STILLIT				
	GI	3,485,946	12/23/69	JACKSON et al.				
	GJ	3,484,950	12/23/69	SERRELL et al.				
	GK	3,538,621	11/10/70	MAYEDA				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	GL	Powell, Digitizing TV Into Obsolescence, New York Times, October 20, 1991.						
	GM	Waters et al., Talking Back to the Tube, Newsweek, December 3, 1990, pp. 56-57.						
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PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HA	3,546,791	12/15/70	KOOS et al.			
HB	3,566,482	3/2/71	MORCHAND			
HC	3,575,861	4/20/71	PRATT et al.		TC 2600	
HD	3,602,582	8/31/71	TORRICELLI		MAIL ROOM	RECEIVED FEB 21 2001
HE	3,623,238	11/30/71	LAPLUME et al.			
HF	3,665,615	5/30/72	LAPLUME et al.			
HG	3,708,891	1/9/73	ROSOY			
HH	3,725,571	4/3/73	JUSTICE			
HI	3,730,980	5/1/73	KIRK, Jr.			
HJ	3,757,225	9/4/73	ULICKI			
HK	3,774,316	11/27/73	MEIER			

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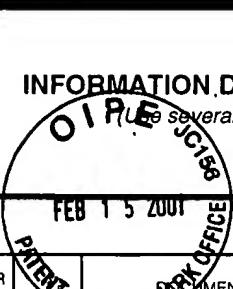
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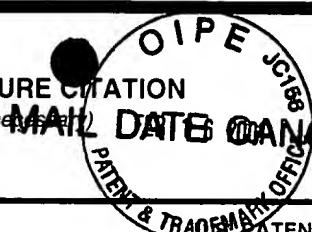
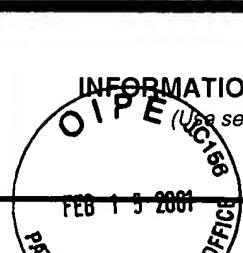
HL	Will it Revolutionize HDTV? Broadcasting, June 4, 1990, pp. 33-34.
HM	Video Storage in Digital Transmission, Space Technology, Cable Television Laboratories, Vol. 2, No. 7, September 1991, pp. 1-6.

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PATENT & TRADEMARK OFFICE U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
IA	3,814,841	6/4/75	ULICKI			
IB	3,825,674	7/23/74	JUSTICE			
IC	3,833,760	9/3/74	TICKLE			
ID	3,849,594	11/19/74	JUSTICE			
IE	3,857,999	12/31/74	JUSTICE			
IF	3,860,745	1/14/75	TAKADA			
IG	3,902,007	8/26/75	JUSTICE			
IH	3,916,092	10/28/75	JUSTICE			
II	3,991,266	11/9/76	BAER			
IJ	4,040,088	8/2/77	HANNAN			
IK	4,044,380	8/23/77	JUSTICE et al.			
FOREIGN PATENT DOCUMENTS						
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OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>						
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EXAMINER <small>INITIAL</small>	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<small>PATENT & TRADEMARK OFFICE</small>	<small>4,245,245</small>	<small>1/13/81</small>	<small>MATSUMOTO et al.</small>	<small></small>	<small></small>	<small></small>
<small>4,292,649</small>	<small>9/29/81</small>	<small>MACHEBOEUF</small>	<small></small>	<small></small>	<small></small>	<small></small>
<small>4,331,974</small>	<small>5/25/82</small>	<small>COGSWELL et al.</small>	<small></small>	<small></small>	<small></small>	<small></small>
<small>4,381,522</small>	<small>4/26/83</small>	<small>LAMBERT</small>	<small></small>	<small></small>	<small></small>	<small></small>
<small>4,439,784</small>	<small>3/27/84</small>	<small>FURUKAWA et al.</small>	<small></small>	<small></small>	<small></small>	<small></small>
<small>4,445,137</small>	<small>4/24/84</small>	<small>PANOFSKY</small>	<small></small>	<small></small>	<small></small>	<small></small>
<small>4,445,187</small>	<small>4/14/84</small>	<small>BEST</small>	<small></small>	<small></small>	<small></small>	<small></small>
<small>4,546,382</small>	<small>10/8/85</small>	<small>MCKENNA et al.</small>	<small></small>	<small></small>	<small></small>	<small></small>
<small>4,555,730</small>	<small>11/26/85</small>	<small>BRIGGS</small>	<small></small>	<small></small>	<small></small>	<small></small>
<small>4,569,026</small>	<small>2/4/86</small>	<small>BEST</small>	<small></small>	<small></small>	<small></small>	<small></small>
<small>4,571,640</small>	<small>2/18/86</small>	<small>BAER</small>	<small></small>	<small></small>	<small></small>	<small></small>
FOREIGN PATENT DOCUMENTS						
<small>DOCUMENT NUMBER</small>	<small>DATE</small>	<small>COUNTRY</small>	<small>CLASS</small>	<small>SUBCLASS</small>	TRANSLATION <small>YES</small> <small>NO</small>	
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ATTY DOCKET NO. 5038.25	SERIAL NO. 09/699,163
FREEMAN et al.	
October 27, 2000	GROUP 2611

FEB 13 2001

PATENT & TRADEMARK OFFICE PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KA	4,574,305	3/4/86	CAMPBELL et al.			
KB	4,591,248	5/27/86	FREEMAN			
KC	4,599,611	7/8/86	BOWKER et al.			
KD	4,616,261	10/7/86	CRAWFORD et al.			
KE	4,647,980	3/3/87	STEVENTON et al.			
KF	4,733,301	3/22/88	WRIGHT, Jr.			
KG	4,734,764	3/29/88	POCOCK et al.			
KH	4,777,529	10/11/88	SCHULTZ			
KI	4,780,757	10/25/88	BRYER et al.			
KJ	4,780,758	10/25/88	LIN et al.			
KK	4,785,349	11/15/88	KEITH et al.			

FOREIGN PATENT DOCUMENTS

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		FREEMAN et al. FILING October 27, 2000		GROUP 2611			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
LA	4,816,905	3/28/89	TWEEDY et al.				
LB	4,821,101	4/11/89	SHORT				
LC	4,847,698	7/11/89	FREEMAN				
LD	4,876,592	10/24/89	VON KOHORN				
LE	4,894,789	1/16/90	YEE				
LF	4,905,094	2/27/90	POCOCK et al.				
LG	4,918,516	4/17/90	FREEMAN				
LH	4,930,019	5/29/90	CHU				
LI	4,949,170	8/14/90	YANAGIDAIRA et al.				
LJ	4,988,111	1/29/91	GERLITZ et al.				
LK	4,989,233	1/29/91	SCHAKAWSKY et al.				
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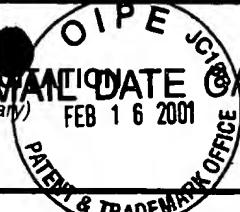
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 <small>FEB 16 2001</small>			RECEIVED <small>October 27, 2000</small>		GROUP 2611		
PATENT DOCUMENTS							
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NA	5,133,079	5/11/93	BALLANTYNE		TC 2500	RECEIVED	RECEIVED
NB	RE 32,776	11/1/88	SAYLOR		MAIL ROOM	RECEIVED	RECEIVED
NC	RE 34,340	8/10/93	FREEMAN				
ND	3,763,377	10/9/73	WESTON				
NE	4,884,974	12/5/89	DESMET				
NF	3,643,217	2/15/72	MORPHEW et al.				
NG	4,078,316	3/14/78	FREEMAN				
NH	4,199,781	4/22/80	DOUMIT				
NI	4,399,329	8/16/83	WHARTON				
NJ	4,665,431	5/12/87	COOPER				
NK	4,941,040	7/10/90	POCOCK et al.				
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	OA	5,210,611	5/11/93	YEE et al.			
	OB	5,239,617	8/24/93	GARDNER et al.			
	OC	4,870,591	9/26/89	CICCIARELLI et al.			
	OD	5,043,891	8/27/91	GOLDSTEIN et al.			
	OE	5,340,317	8/23/94	FREEMAN			
	OF	4,972,328	10/20/90	WU et al.			
	OG	4,916,633	4/10/90	TYCHONIEVICH et al.			
	OH	4,918,620	4/17/90	ULUG			
	OI	4,967,368	10/30/90	BOLLING et al.			
	OJ	5,405,152	4/11/95	KATANICS et al.			
	OK	5,537,141	7/16/96	HARPER et al.			
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PA	5,239,463	8/23/93	BLAIR et al.			
PB	5,526,478	6/11/96	RUSSELL, Jr. et al.			
PC	5,488,411	1/30/96	LEWIS et al.			
PD	5,442,389	8/15/95	BLAHUT et al.			
PE	5,404,393	4/4/95	REMILLARD			
PF	4,847,699	7/11/89	FREEMAN			
PG	5,585,858	12/96	HARPER et al.			
PH	5,033,969	7/23/91	KAMIMURA			
PI	5,109,482	4/28/92	BOHRMAN			
PJ	5,261,820	11/16/93	SLYE et al.			
PK	5,388,197	2/7/95	RAYNER			
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CERTIFICATE-OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Michael J. Freeman and Craig Ullman

Docket No.

5038.25

Serial No.
09/699,163Filing Date
October 27, 2000Examiner
Not Yet AssignedGroup Art Unit
Not Yet Assigned

Invention:

DIGITAL INTERACTIVE SYSTEM FOR PROVIDING FULL INTERACTIVITY WITH LIVE
PROGRAMMING EVENTS

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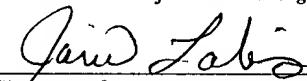
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